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TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-WO-0036

TO: Dan Harkay, USEPA Region II

FROM: Peter Di Pasca, TAT PM *PD*
Michael Mentzel, TAT QC *sm for*

SUBJECT: Analytical Results of Soil Samples Collected from Test Pit # 4 Area

SITE: Ideal Cooperage, Jersey City, New Jersey

TDD #: 02-9010-0065-D

DATE: November 11, 1991

Attached is a copy of the Enseco, Inc. report for the analysis of three surface soil samples collected from the Test Pit # 4 area on October 11, 1991. The samples were analyzed to confirm a mercury concentration of 517 ppm which was detected in the original surface sample collected on May 22, 1991.

The confirmatory samples were collected by EPA and TAT at 1130 hours on October 11, 1991, and hand-delivered to Enseco at 1910 hours the same day. A site map illustrating the approximate sample locations is also attached.

All samples were analyzed seven days after receipt by the laboratory. Quality assurance analyses performed by Enseco indicate that the analytical results are reliable. Matrix spike sample analysis demonstrated a 98 % recovery and 4.8 relative percent difference, while analysis of a method blank was mercury-free. The following table summarizes Enseco's findings:

Roy F. Weston, Inc.

MAJOR PROGRAMS DIVISION

In Association with Foster Wheeler Enviresponse, Inc., Resource Applications, Inc., C.C. Johnson Malhotra, P.C., and R.E. Sarriera Associates

Sample Number	Sample Location (Refer to Map)	Total Mercury (ppm)	Moisture Content
674-T4-1A	A	292	20 %
674-T4-1B	B	28.5	38 %
674-T4-1C	C	113	20 %

Based on these results, it is evident that mercury contamination does exist in the Test Pit # 4 area, but additional sampling will be needed to determine the extent of contamination. If you have any questions or comments, please call.

cc: TAT PM
TDD Files